

21st Century Skills



Gretna
Summer, 2012





Facilitated by: Debbie Schraeder, ESU#3

21st Century Skills (4 Hours) -- During this four-hour session, participants will explore activities that address the 7Cs and 3Rs (critical thinking, creativity & innovation, collaboration, cross-cultural understanding, communication, computing technology, career learning, reading, writing and arithmetic) of 21st Century Learning. The framework from the Partnership for 21st Century Skills will be shared as well as technology tools that address each of the skills.

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Graphic Organizer

21 st Century Skills- Summer 2012	
<p>Description: During this four-hour session, participants will explore activities that address the 7Cs and 3Rs (critical thinking, creativity & innovation, collaboration, cross-cultural understanding, communication, computing technology, career learning, reading, writing and arithmetic) of 21st Century Learning. The framework from the Partnership for 21st Century Skills will be shared as well as technology tools that address each of the skills.</p> <p>Agenda:</p> <ul style="list-style-type: none"> • Welcome and Overview • 21st Century Skills Framework Overview • A Well-Rounded Education for a Flat World • Technology Exploration • Learning and Innovation • Collaboration and Collaboration <p>21st Century Learning Skills Framework: See handout</p> <p>Gallery Walk and Talk: <i>A New Kind of Learning?</i></p> <p>Learning 3.0:</p> <p>What 3 Means in the Global District:</p> <p>Real Knowledge in the Google Era:</p> <p>A Well-Rounded Education for a Flat World:</p>	<p>Workshop Address: http://bit.ly/21stCenturySkillsSummer2012</p> <p>Did You Know? 10th Happen version 2</p> <p>Technology Exploration</p> <p>Learning and Innovation</p> <p>Media Library</p> <p>Communication and Collaboration</p> <p style="text-align: center;">Debbie Schraeder dschraeder@esu3.org 402-251-1441</p>

Who's in the Room?

As you share, say:
Name and district assignment

What you think of when you hear
the term "21st Century Skills"?

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Agenda

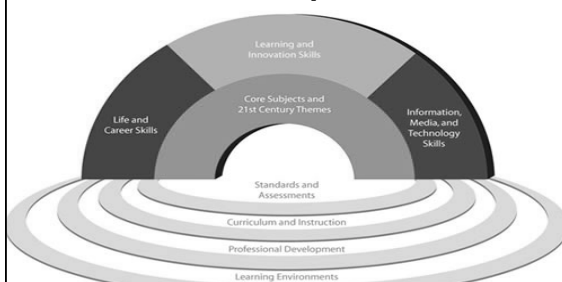
- 📁 Welcome and Opening
- 📁 21st Century Skills Framework- Overview
- 📁 A Well-Rounded Education for a Flat World
- 📁 Technology Exploration
- 📁 Learning and Innovation
- 📁 Media Literacy
- 📁 Communication and Collaboration

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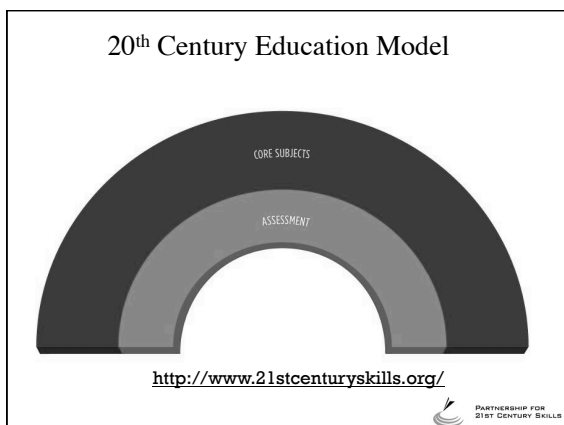


What is the Framework for 21st Century Skills?



<http://www.21stcenturyskills.org/>





Learning Skills

- ✧ Accountability and Adaptability
- ✧ Self-Direction
- ✧ Social Responsibility
- ✧ Critical Thinking and Systems Thinking
- ✧ Problem Identification, Formulation and Solution
- ✧ Creativity and Intellectual Curiosity
- ✧ Interpersonal and Collaborative Skills
- ✧ Communication Skills
- ✧ Information and Media Literacy

Why 21st Century Skills?

“This is a story about the big public conversation the nation is not having about education... whether an entire generation of kids will fail to make the grade in the global economy because they can’t think their way through abstract problems, work in teams, distinguish good information from bad, or speak a language other than English.”

How to Build a Student for the 21st Century, TIME Magazine, December 18, 2006

21st Century Skills “Gallery Walk and Talk”

1. You should have received a cut-out as you entered the room.
2. Move to the designated chart (same as cut-out) and introduce yourselves; this will be your “touring group.”
3. Read poster and complete follow-up activity and/or discussion question(s).
4. Every 8 minutes, you will be signaled to move to a new chart.

A Well-Rounded Education in a Flat World

Digital Tagging

1. Tag the text while reading:
 - **New/important information** (Highlight Text Tool)
 - **I don't agree** (Cross Out Text Tool)
 - **Notetaking/think about** (Sticky Note)
 - **Wow!** (Callout Tool)
 - **Doodle** (Pencil Tool)


2. Compare and discuss taggings.

3. Process the effectiveness of the strategy:
How did the Digital Tagging help you understand what the article was saying?

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Without collaborative skills and relationships, it is not possible to learn and to continue to learn as much as you need to know to improve.

-Michael Fullan

Did You Know/ Shift Happens Version 6, 2012

<http://www.youtube.com/watch?v=XVQ1ULfQawk>
<http://shifthappens.wikispaces.com/versions>

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Technology Match

1. Each participant takes 3-4 "word" cards.
2. Match the word with its definition.
3. Discuss as a group.
4. Brainstorm other ways to engage students using 21st Century Skills.

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Life and Career Skills

Activities:

- Watch Two Million Minutes video
- Read posters 1-4
- Answer questions using communication tools

Communication & Collaboration Task: Using a "sticky note" add two activities or ideas that you have used in the classroom to teach something that "connected" with students. Here is an example: "to teach commutative property in math we used a domino so that the students could see that $2 + 3$ was the same as $3 + 2$ (the dots/total stayed the same)"

Sticky Note Activity: Low Tech

Wall Wisher: High Tech

- <http://www.wallwisher.com>



Learning and Innovation Skills

✧**View:** *Daniel Pink clip*

✧**Read:** *Read posters 1-5*

✧**Discuss:** *What are your thoughts on the movement of society to move from knowledge workers to creators?*

✧**Post:** *Share how you plan to address the six right brain skills in your classroom.*

Use lino- <http://en.linoit.com/>



Learning and Innovation Skills

✧**View:** *Answers for Industry*

<http://www.youtube.com/watch?v=qLTMwn76FHQ>

✧**Read:** *Curriculum Connections- 21st Century Teaching*

✧**Discuss:** *How does this impact instruction in your professional environment?*



Thoughts to take you into a break...

We learn best by doing...our deepest insights and understandings come from action, followed by reflection and the search for improvement... the journey may not be an easy one, but it is certainly one worth taking.

- Learning by Doing pages 2 and 12

Learning and Innovation Skills

Activity Task: Create a comic strip or Voki to show your understanding of a concept you teach. (example for acute angles is on wiki)

Low Tech: with paper, scissors, markers, etc.

[Low Tech Comic.doc](#)

[Low Tech Comic.pdf](#)

High Tech:

[Bit Strips Handout on Bit Strips: Directions.doc](#)

[Pixton](#)

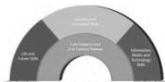
[Make Believe Comics](#) (has the ability to use different languages):



Information, Media and Technology Skills

21st Century Skills Fair Station Activity

Smart Searching Activity Task: Try doing a "smart search" on something for your classroom. Use math symbols to combine search terms or do an advanced search. Try searching by a country domain or exclude the .com domain.



Information and Communication Technology (ICT) Literacy Map

LEARNING SKILLS FOR INFORMATION, COMMUNICATION AND MEDIA LITERACY

Information and Media Literacy

Assessing and managing information, integrating and creating information, evaluating and analyzing information.

21 st Century Skills for: Communication, Information Processing, and Research	4th Grade	5th Grade	6th Grade
<p>21st Century Skills for: Communication, Information Processing, and Research</p> <p>SAMPLE Student Outcomes for: Assessing, Planning, Integrating and Communicating Information</p> <ul style="list-style-type: none"> Assess information from a variety of media sources. Gather data such as taking surveys of their school or community programs and create appropriate graphs to display the information. Analyze and compare material data from a variety of the open-end sources such as newspapers and websites and draw simple conclusions about the data. 	<p>Handspans, books, spreadsheets, graphing programs, calculators, computers, Internet, flow-Ty programs, WebQuest, Handquest, Internet and digital devices</p> <ul style="list-style-type: none"> Assess information from a variety of media sources. Find sources and analyze the necessary data needed to address a question generated by students. Formulate questions related to student physical environment or non-pollution or culture design studies that can answer the question, and collect appropriate data. Analyze graphs and other data representations from the media sources to their conclusions and ability to generalize a result. 	<p>Handspans, books, spreadsheets, graphing programs, calculators, computers, Internet, flow-Ty programs, WebQuest, Handquest, Internet and digital devices</p> <ul style="list-style-type: none"> Find and analyze data sets and collect programs with respect to the authenticity of the data and legitimacy of its use for further evaluation. Develop methods to collect information and increase data to describe trends within and between populations or local settings. Use understanding of statistical techniques including bias and precision percentages to understand settings to which the effects are measured. Analyze data from a statistical context, or statistical reports, and use knowledge of statistical techniques to evaluate the validity of the reports' findings. 	

FOURTH GRADE SKILLS FOR 21ST CENTURY SKILLS

ICT 4: Assessing, Planning, Integrating and Communicating Information | ICT 5: Evaluating and Analyzing Information | ICT 6: Creating and Managing Information

Links Exploration



Use Symbaloo "dashboard"

Sharing of Ideas



Ticket Out the Door

<small>TICKET OUT THE DOOR: Grade 3/4 Content Skills</small> <small>Name: _____ Date: September, 2012</small>	
<small>A plan from today is:</small> <div style="text-align: center; font-size: 2em; font-weight: bold;">Plus</div>	<small>A wish for the future is:</small> <div style="text-align: center; font-size: 2em; font-weight: bold;">Wish</div>
<small>Something I will try:</small> <div style="text-align: center; font-size: 2em; font-weight: bold;">Try</div>	<small>Something I'll like to tell the person:</small> <div style="text-align: center; font-size: 2em; font-weight: bold;">Comments</div>

Thank you!



Contact me if you
have any questions,
suggestions, etc.



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